

# NORTHEAST MAGLEV



Ridgely's Delight | Oct. 5, 2022

Superconducting Maglev

Join us online:

[@northeastmaglev](https://twitter.com/northeastmaglev)

[www.northeastmaglev.com](http://www.northeastmaglev.com)

# Who We Are



Northeast Maglev is a **100% US-owned** company, **headquartered in Maryland**, and committed to solving the Northeast Corridor's transportation challenges by promoting the deployment of the SCMAGLEV system.

## ADVISORY BOARD

We are supported by a board of experienced public and corporate sector officials



**Tom Daschle**  
Former Senate  
Majority Leader



**George Pataki**  
Former Governor  
of New York



**Ed Rendell**  
Former Governor  
of Pennsylvania



**Christine Todd Whitman**  
Former Governor of New Jersey  
Former EPA Administrator



**Mary Peters**  
Former Secretary  
of Transportation



**Rodney Slater**  
Former Secretary  
of Transportation



**Kevin Plank**  
Founder & CEO  
Under Armour



**Doug Steenland**  
Chairman of the Board, AIG;  
Fmr CEO, Northwest Airlines

# The NEC: Big and Getting Bigger

## TODAY



**51 MILLION**  
residents



**24 MILLION**  
jobs

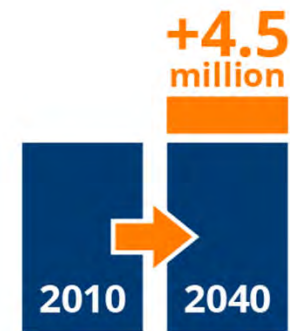


All on just 2% of U.S. land area

## BY 2040



**64 MILLION**  
residents



**28.5 MILLION**  
jobs

# Proven Technology



**2 MILLION MILES**  
Over 2 million miles traveled in development



**50+ YEARS OF DEVELOPMENT**  
SCMAGLEV research and development began in 1962



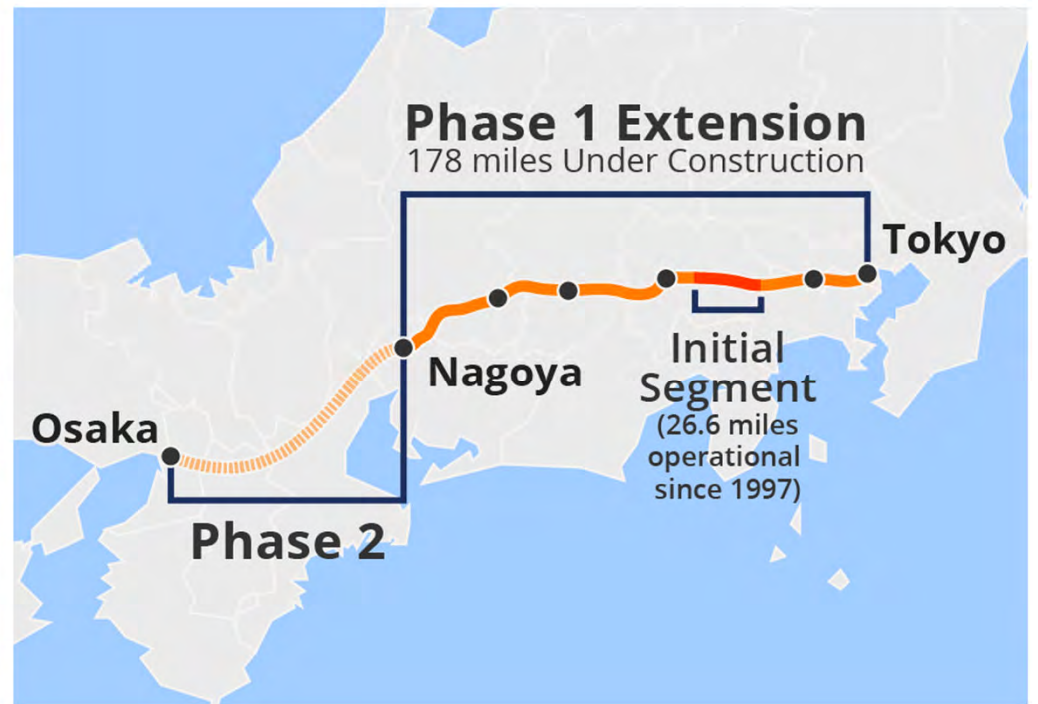
**RECORD BREAKING**  
Holds the Guinness record for the world's fastest train



## UNDER CONSTRUCTION: THE CHUO SHINKANSEN Revenue service SCMAGLEV line



- 1962: Technology Development begins
- 1997: Non-Revenue Operations begin
- 2011: Technological Standards enacted
- 2012: SCMAGLEV approved for Public Use
- 2014: EIS for Line Extension approved
- Late 2014: Extension Construction started
- 2017: Public Revenue Service begins
- 2027: Phase 1 Service planned to begin



# US MAGLEV Deployment Program

## Establishing Maglev Technology in the US

1998: TEA-21 promise to deploy superspeed maglev in US

1999-2001: 14 States compete federally to deploy MAGLEV,  
7 selected for further study

2015: Maryland PSC grants railroad franchise to BWRR

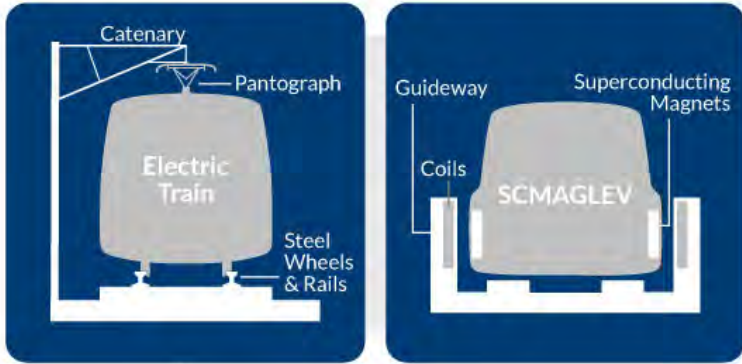
2019: Baltimore-Washington wins national competition

\$50+ million in U.S. Federal grants awarded to MD to date

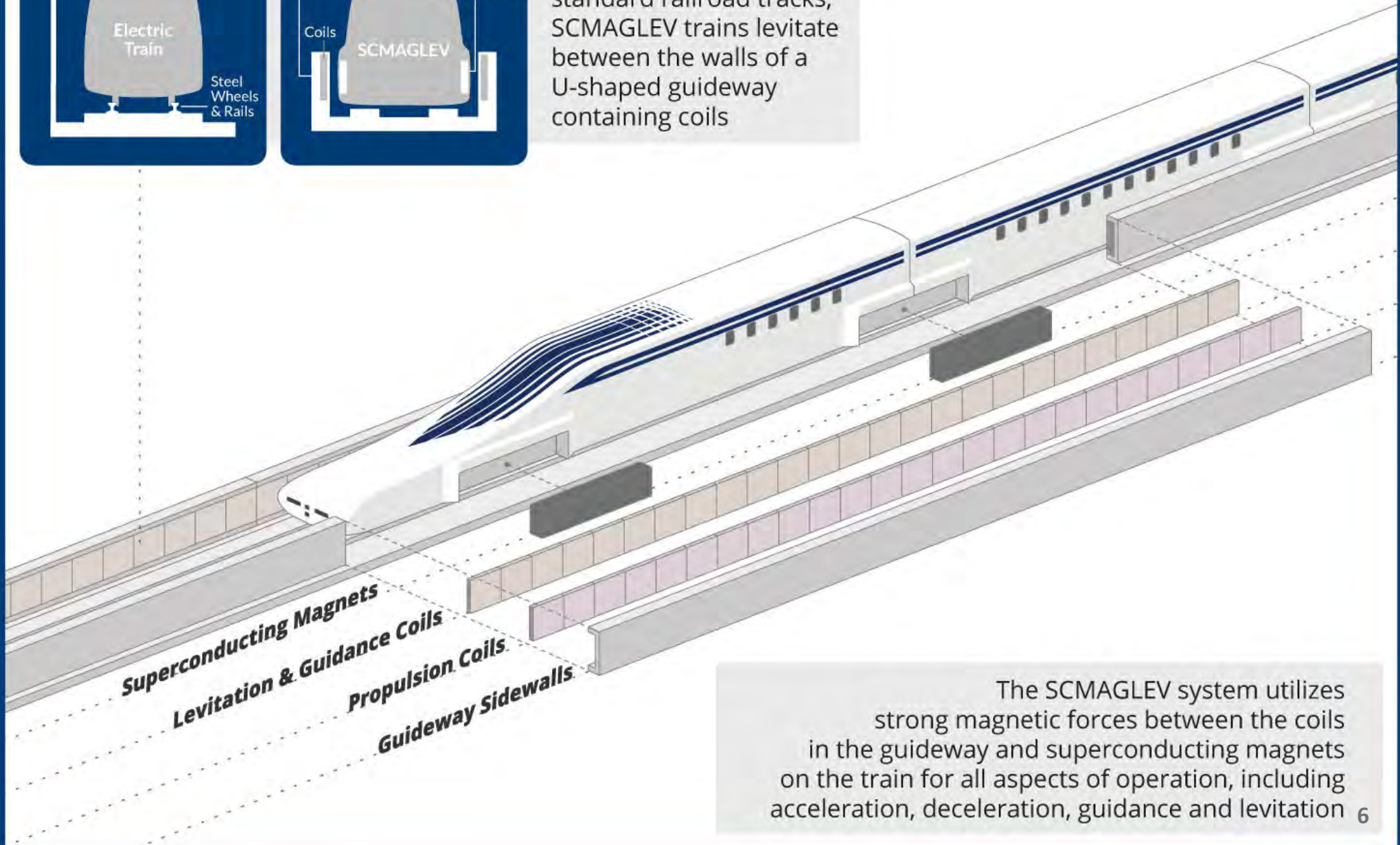
BWRR pays required State matching funds, does not anticipate any cash investment or operating subsidies from MD



# About the SCMAGLEV



Instead of running on standard railroad tracks, SCMAGLEV trains levitate between the walls of a U-shaped guideway containing coils

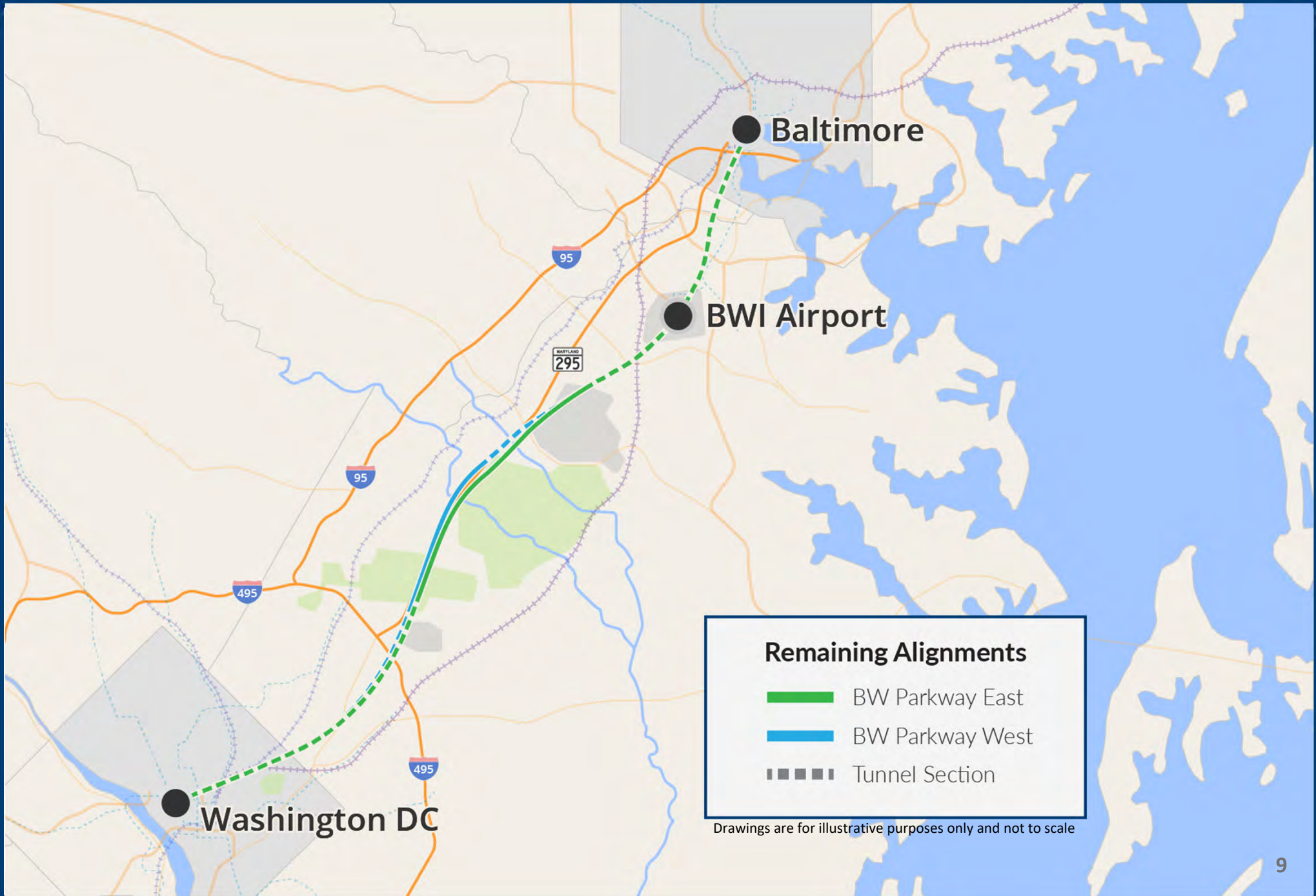


The SCMAGLEV system utilizes strong magnetic forces between the coils in the guideway and superconducting magnets on the train for all aspects of operation, including acceleration, deceleration, guidance and levitation

# Our Vision: Fastest Train in World



# Proposed Route Alternatives





# Cherry Hill Station

- The April 2020 Cherry Hill Transformation Plan notes that locating the SCMAGLEV station in Cherry Hill would:

*... increase travel and access opportunities for residents but will also pull in outside commuters to the area, thus bringing in new and increased economic opportunities (P.34)*

*...[make] Cherry Hill a key transfer point in regional transportation (P.48)*

- Cherry Hill Station, an Anchor Institution bringing investment
- TOD opportunities would potentially include:
  - Expanded housing
  - Employment opportunities for residents
  - Increased retail, supermarkets
  - Added community amenities (for example, recreation, landscaping, waterfront access)
- SCMAGLEV Station in South Baltimore will complement Central Baltimore's Penn Station

# Camden Yards Concerns

- DEIS notes (4.9-17) notes that Camden Yards would require demolishing all or parts of the following: Baltimore City Convention Center, The Federal Reserve Bank-Richmond, Old Otterbein Church, Edward A. Garmatz Courthouse, and the Bank of America Financial Center.
- BWRR Preferred Alternative J-03 would not impact federal property in Baltimore City (Garmatz Courthouse and Federal Reserve Bank-Richmond)
- Severe road closures and detours along major arterial roads like I-395 and Pratt Street during multi-year construction.
- Station downtown would add more traffic congestion

# Baltimore-Washington Project Schedule

## EIS & Permitting

Commence – August 2016  
Draft EIS – January 15, 2021  
Public Hearings – April 6/8/10, 2021  
Comment Period – to May 24, 2021  
Final EIS – Late 2023

## Final Design/Construction Start

Construction duration depends on alignment selected  
and construction methodology

## Revenue Service Begins

# Tremendous Economic Opportunity

## Regional Jobs

**123,000 JOBS**

Construction Related Job-Years

**38,000 JOBS**

Professional Services Job-Years



**Washington, DC  
Baltimore  
Arlington  
Combined Statistical Area**

## Regional Labor Earnings

**\$8.8 BILLION**

In Employee Earnings

Baltimore-Washington SCMaglev DEIS, January 2021 – Resulting form Build Alternative J-03

# Career Opportunities

Construction and operation of the SCMAGLEV will result in **increased demand for jobs** in a variety of sectors



## Construction

Logistics  
Assembly  
Planning & Supervision



## Engineering

Software  
Electrical & Mechanical  
Fire, Life, Safety



## Maintenance

Inspection  
Infrastructure  
Testing



## Operations

Operators  
On-Board Services  
Systems Analysis



## Stations

Station Operations  
Cleaning  
Security



## Facilities

Yard Management  
Rail Control Center  
Vehicle Maintenance & Repair

# Diversity, Equity and Inclusion Plan

## Baltimore-Washington Rapid Rail Diversity, Equity, and Inclusion Plan Ensuring benefit and opportunity for all

### Workforce Development Goals

25%



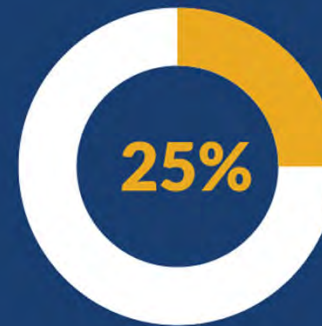
Goal of filling 25% of Permanent Jobs in Maryland with people of color and women including participation in all levels of management as well as non managerial positions.

40%

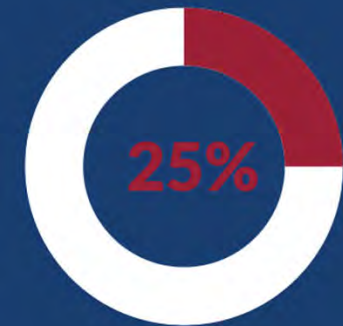


Goal of filling 40% of Construction Related Jobs in Maryland with people of color and women, and taking great care to accomplish a balanced representation of construction job recruits from the jurisdictions where the project will have a presence.

### Business Opportunity Goals



25% of project spend on Construction in Maryland



25% of project spend on Operations in Maryland



# Public Support

## 38,500+

People have shown their support by signing a petition in favor of the project (15,000+ in Maryland)

## 3,725 +

Positive Comments submitted on the DEIS. Out of 5,525 total comments submitted as of 6/4/21. (approximately 67% positive)

## 11,000+

Advocates have written over 93,000 letters in support of the project to elected officials

## 2021 Public Polling Baltimore City



Results of a survey of 600 likely 2022 voters in Baltimore City (N=100 each in Districts 10 and 11, and N=400 across remaining districts), MD, conducted June 5-9, 2021. Margin of error: +/- 4.0%.

## Anne Arundel County



Results of a survey of 600 likely 2022 voters in Anne Arundel County (N=100 each in Districts 1, 2, 4 and 6, and N=200 across remaining districts), MD, conducted April 28-29, 2021. Margin of error: +/- 4.0%.

## Prince George's County

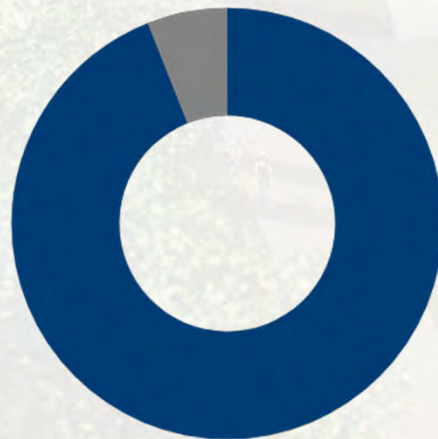


Results of a survey of 600 likely 2022 voters in Prince George's County (N=100 each in Districts 1, 3, 4, 5 and N=200 in Districts 2, 6-9), MD, conducted April 1st – 5th, 2021. Margin of error: +/- 4.0%.

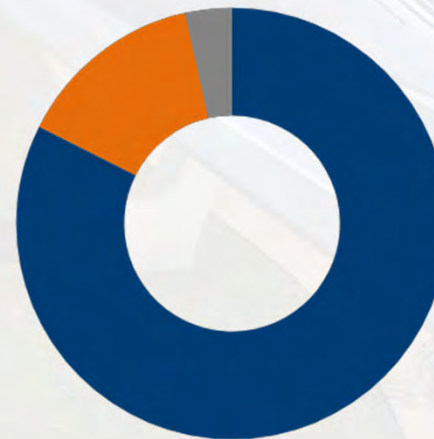
# Reduction in Vehicle Miles Traveled

- DEIS predicts SCMaglev will result in reduction of regional VMT between 9% and 12% (2027 to 2045)
- DEIS anticipates SCMaglev will divert 11.3 to 16.4 million trips per year from 'auto'
- Independent Ridership Study shows SCMaglev reduces automobile share from 94% to approx. 82%

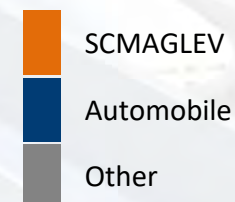
No Build Alternative



Build SCMAGLEV

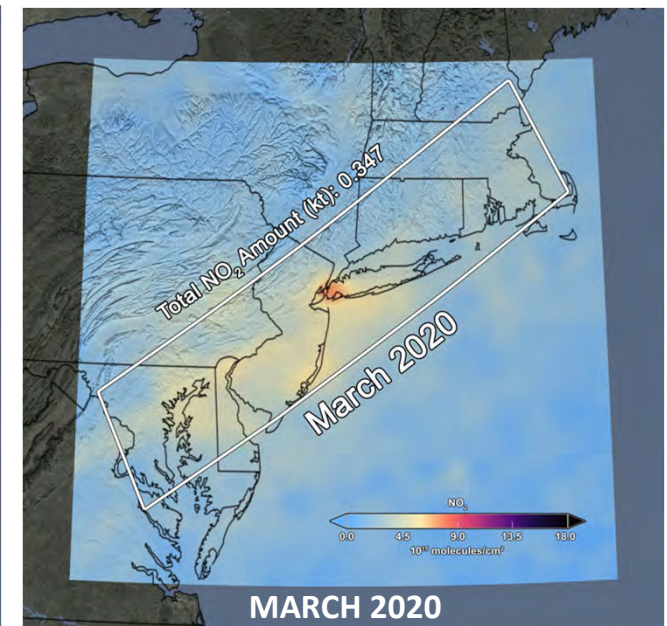
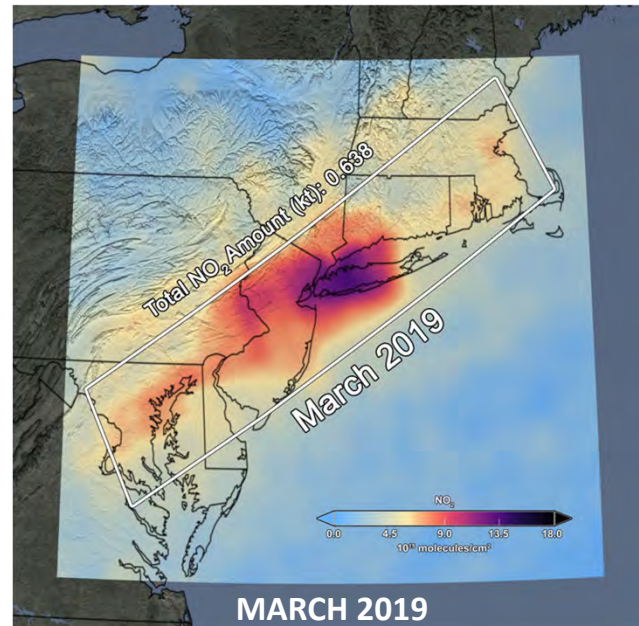
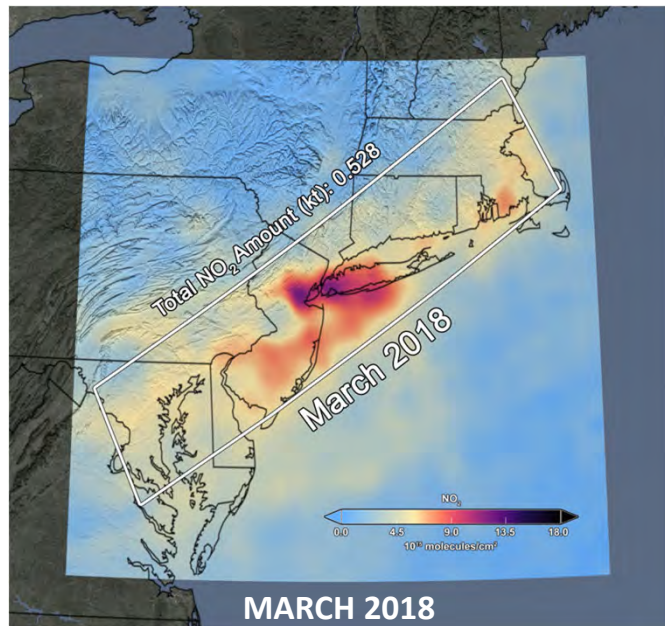
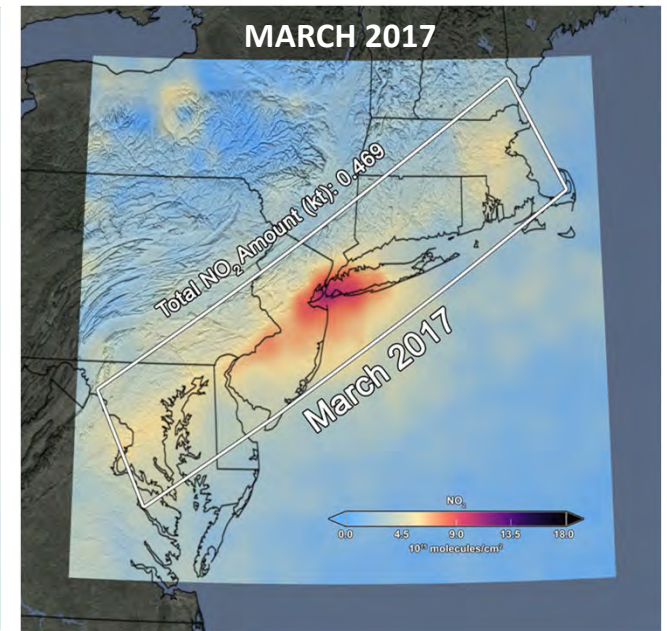
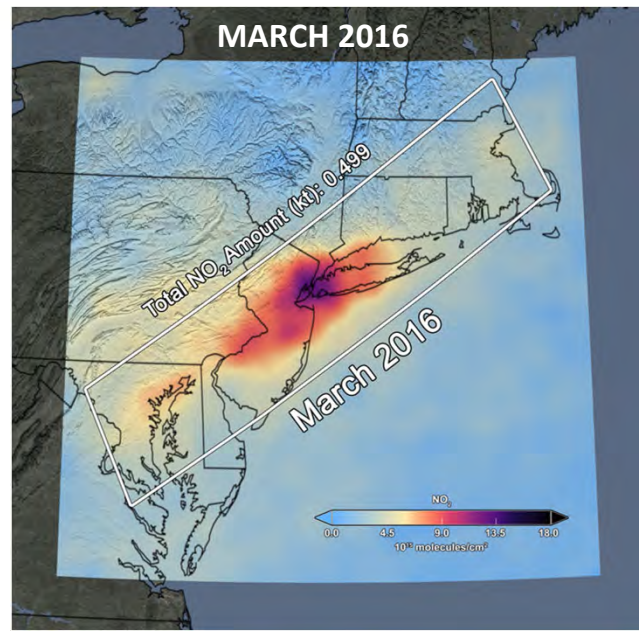
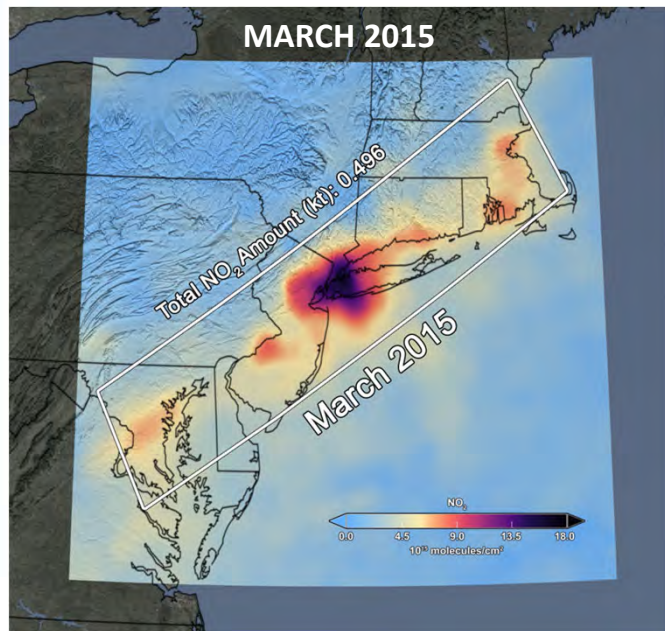


Mode





# When Cars Come Off Roadways – Less Air Pollution



# Additional Expected Environmental Benefits



Reduced Highway  
Congestion



Reduced Need for  
Short-Haul Flights



Reduced Fuel  
Consumption

## **Reduction of Auto and Air Trips** also include:

- Noise Pollution Reduction
- Pavement Maintenance Savings
- Safety Benefits

# NORTHEAST MAGLEV

Questions? Email Ashley Mcmillian at  
[amcmillian@bwrapidrail.com](mailto:amcmillian@bwrapidrail.com)

Thank You 

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